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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/542,913	12/30/2005	Yoshihiko Satou	274858US0XPCT	9545
22850 7590 05/15/2007 OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET			EXAMINER	
			ZUCKER, PAUL A	
ALEXANDRIA, VA 22314		ART UNIT	PAPER NUMBER	
		1621		
		•	. NOTIFICATION DATE	DELIVERY MODE
			05/15/2007	ELECTRONIC

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Paper No(s)/Mail Date

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#### **DETAILED ACTION**

#### **Current Status**

- 1. This action is responsive to Applicants' amendment of 21 February 2007.
- 2. Receipt and entry of Applicants' amendment is acknowledged.
- 3. Applicant's addition of new claims 4-6 is acknowledged.
- 4. Claims 1-6 are pending.
- The rejections under 35 USC § 112, second paragraph, set forth in paragraph 1 of the previous Office Action mailed 22 November 2006 is withdrawn in view of Applicant's amendment.
- 6. The rejection under 35 USC § 102 set forth in paragraph 5 of the previous Office Action in Paper mailed 22 November 2006 is withdrawn upon further consideration by the Examiner. Soderberg (US 4,449,544 05-1984), the closest prior art, neither discloses nor fairly suggests a reaction vessel with a blowdown valve.

## **New Rejections and Objections**

## Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

7. Claim 2 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant

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regards as the invention. Claim 2 recites the limitation "formula (I)" in line 3. This limitation is undefined and claim 2 is therefore rendered indefinite.

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

8. Claims 5 and 6 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. Claim 5 recites the limitation "discharge conduit" in line 2. This limitation does not find support in the specification as filed.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 9. Claims 1 and 2 are rejected under 35 U.S.C. 102(b) as being anticipated by Stelman (US 5,308,366 05-1994). Stelman discloses (Figure I, bottom) a reactor with a ball valve which corresponds to the instantly claimed apparatus. A new intended use of

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the apparatus does not impart patentability to a known apparatus. Stelman therefore anticipates claims 1 and 2.

## Claim Objections

- 10. Claim 2 is objected to under 37 CFR 1.75(c), as being of improper dependent form for failing to further limit the subject matter of a previous claim. Applicant is required to cancel the claim(s), or amend the claim(s) to place the claim(s) in proper dependent form, or rewrite the claim(s) in independent form. Claim 2 limits only the intended use of the claimed apparatus and not the apparatus itself. Claim 2 is more properly dependent from a process claim.
- 11. Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

## Allowable Subject Matter

12. Claim 4 is allowed. Claim 3 is drawn to allowable subject matter. The following is a statement of reasons for the indication of allowable subject matter: Stelman (US 5,308,366 05-1994), the closest prior art, neither discloses nor fairly suggests that his apparatus be employed in a process for the synthesis of hydroxyalkyl(meth)acrylate. The instantly claimed processes are therefore patentable over the teaching of Stelman, the closest prior art.

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#### Conclusion

13. Claims 1-6 are pending. Claims 1,2, 5 and 6 are finally rejected. Claim 3 is objected to. Claim 4 is allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Paul A. Zucker whose telephone number is 571-272-0650. The examiner can normally be reached on Monday-Friday 5:30-3:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thurman K. Page can be reached on 571-272-0602. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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PRIMARY EXAMINER
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